



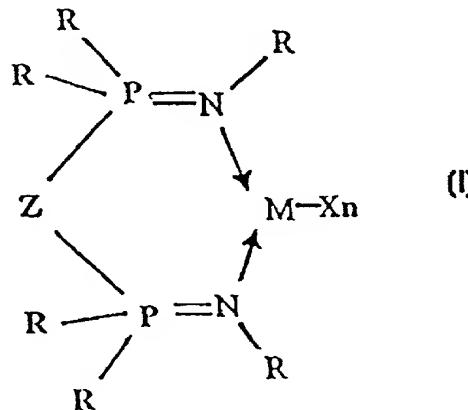
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(54) Title: METAL COMPLEXES AS CATALYST COMPONENT FOR OLEFIN POLYMERIZATION



(57) Abstract

Novel nitrogen containing transition metal complexes have general formula (I): wherein M is Fe[II], Fe[III], Ni[II], Co[II], Co[III], Co[IV], V[III], V[IV], Mn[II], Mn[III], Mn[IV], Ru[II], Ru[III] or Ru[IV]; Pd[II], V[III], V[IV] or V[V]. X represents an atom or group covalently or ionically bonded to the transition metal M; R is independently selected from hydrogen, halogen, hydrocarbyl, substituted hydrocarbyl, heterohydrocarbyl or substituted heterohydrocarbyl; Z is a bridging group comprising a donor atom of N, P or S or alternatively is a neutral group comprising a C₁–C₄ alkylene group, a silyl or germyl group, and n – an integer to satisfy the valency of M. The complexes are suitable for use on the polymerisation and copolymerisation of olefins.